

FIG. 1
(Prior Art)

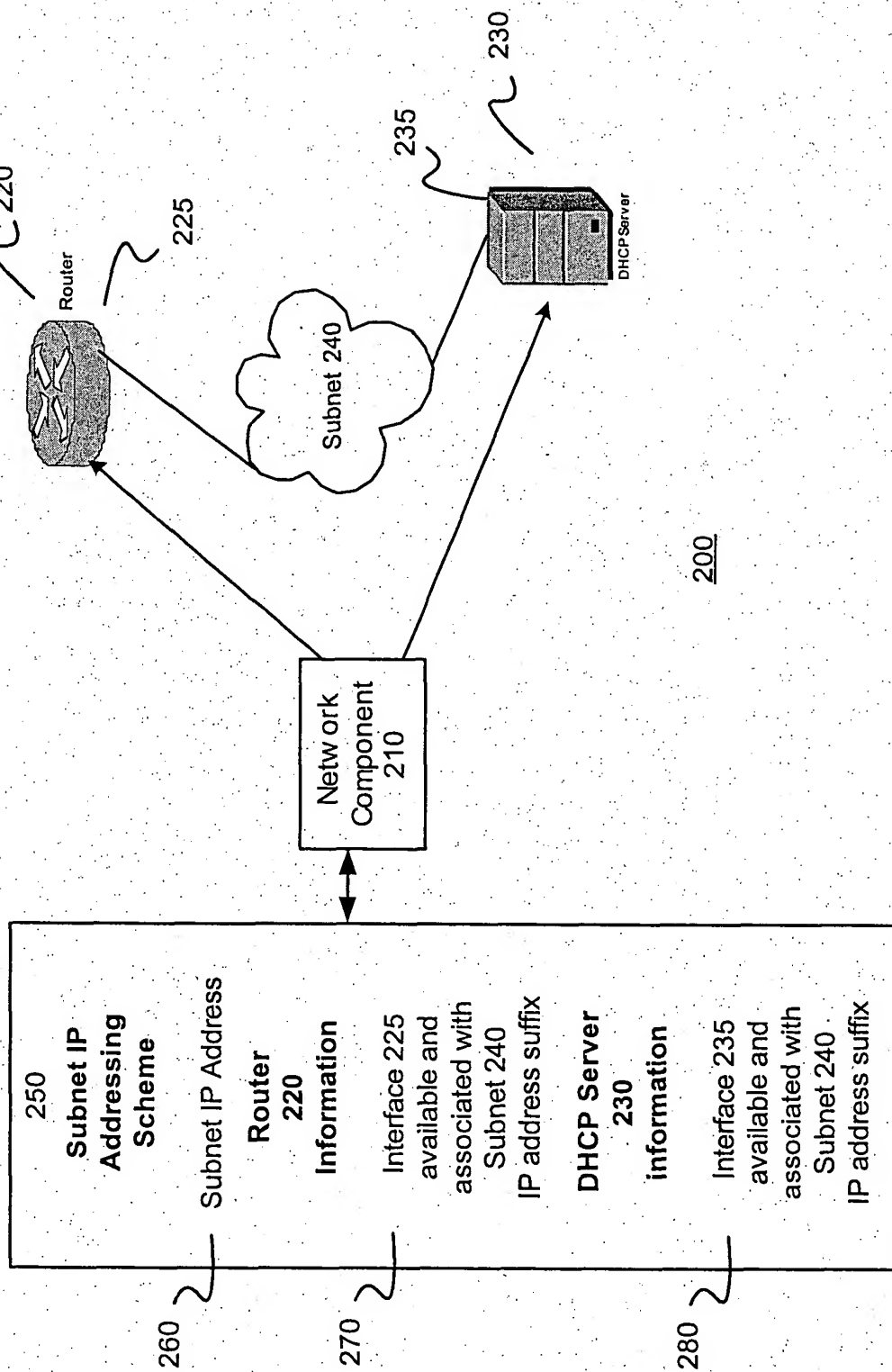


FIG. 2

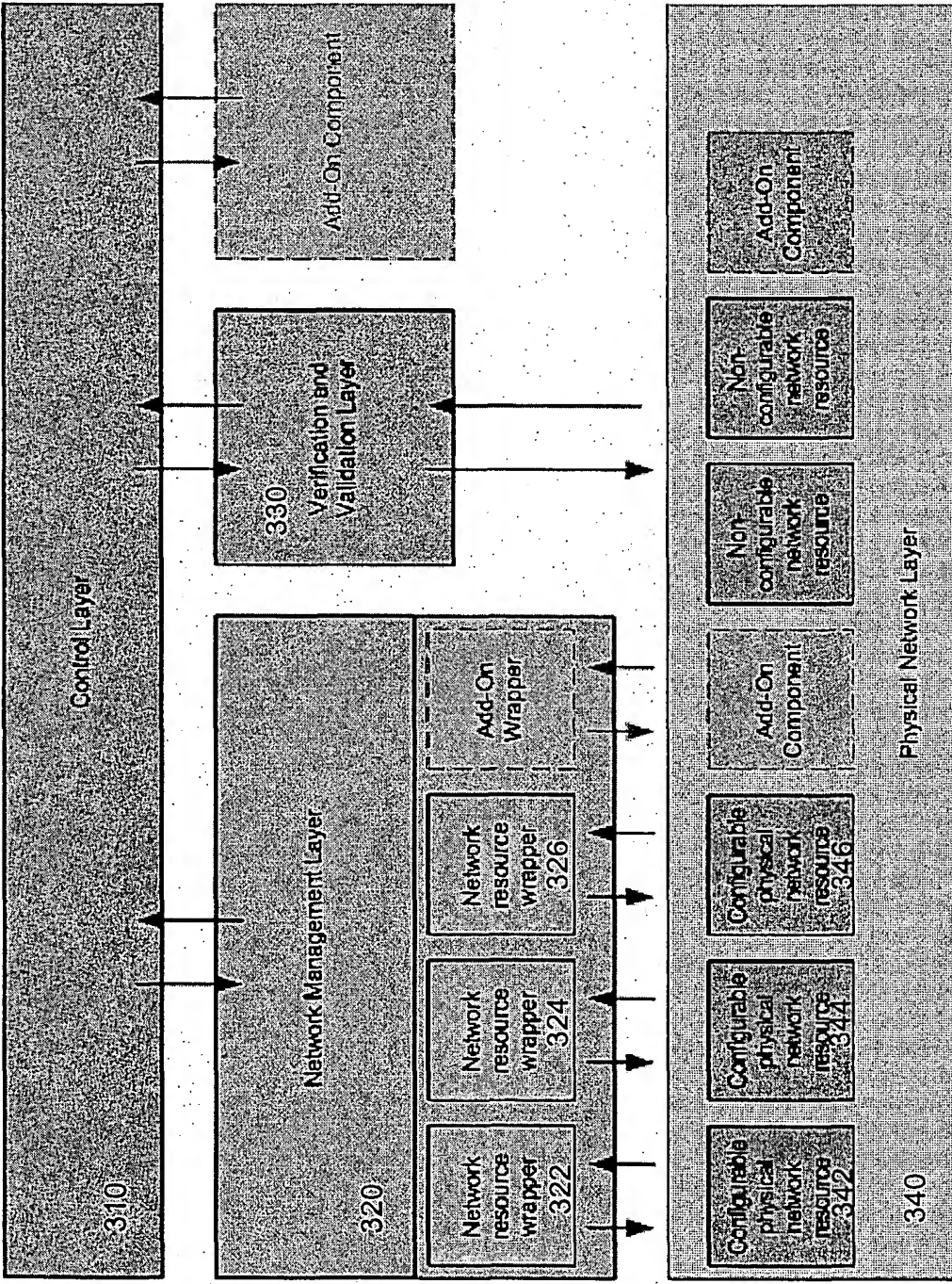


FIG. 3

402 } **[Dynamic Network Devices]**

 { ## DeviceName OS(WIN2K|WINXP_PRO)
 ## MAC_Address Subnet_suffix Card_type

404 } **[Non-Dynamic Network Devices]**

 #StaticDevName IPAddr1 ... IPAddrN

406 } **[Power Management Devices]**

 ## HomeAddress (A-P)
 ## DeviceCode (1-16) AssociatedDevice

408 } **[Hubs]**

 ##HubName
 ##AssociatedDevicesName

410 } **[VLAN Configuration]**

 ##switchName switchIp switchPassword controlPort
 ## Port Num (list of ports)
 ## AssociatedDevice (list of devices)

412 } **[Routers]**

 { ## routerName password controllIP
 ## interfaceType interface suffix

414 } **[DHCP Servers]**

 ## dhcpServerName password controllInterface controlAddress subnet
 ## interface ipSuffix subnetMask routerSuffix

416 } **[Addressing Scheme]**

 ## prefixType prefix

505
Subnet1
Data data data...
TopologyType1
Data data data...
Device1
Data data data
PotentialMovement1
...
PotentialMovementN
...
DeviceN
Data data data
PotentialMovement1
...
PotentialMovementN
...
SubnetN
...

510

500

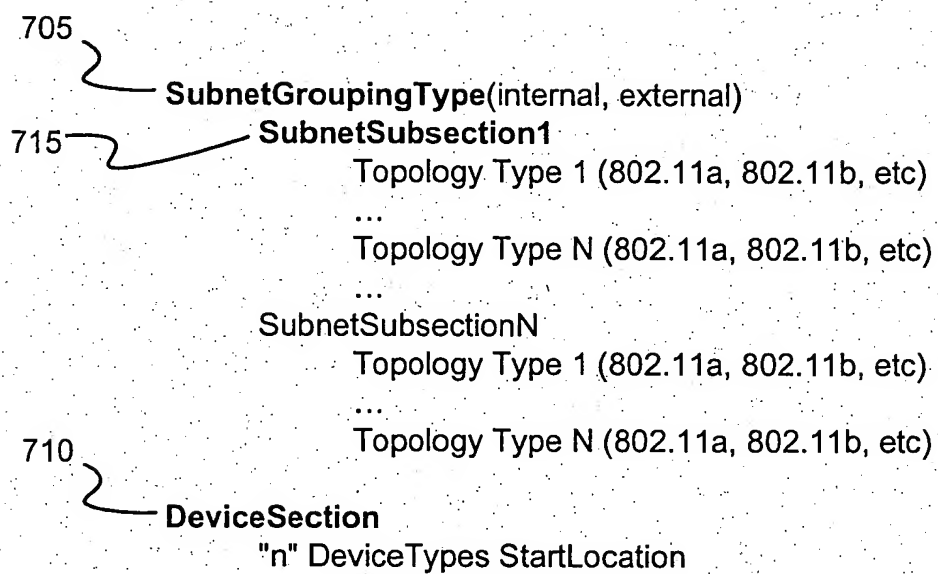
FIG. 5

605
610
615
620
625
630
635
640

proc configRouter { ipAddr passwd intfType intfNum intflp subnetMask ext permitlp }

600

FIG. 6



700

FIG. 7

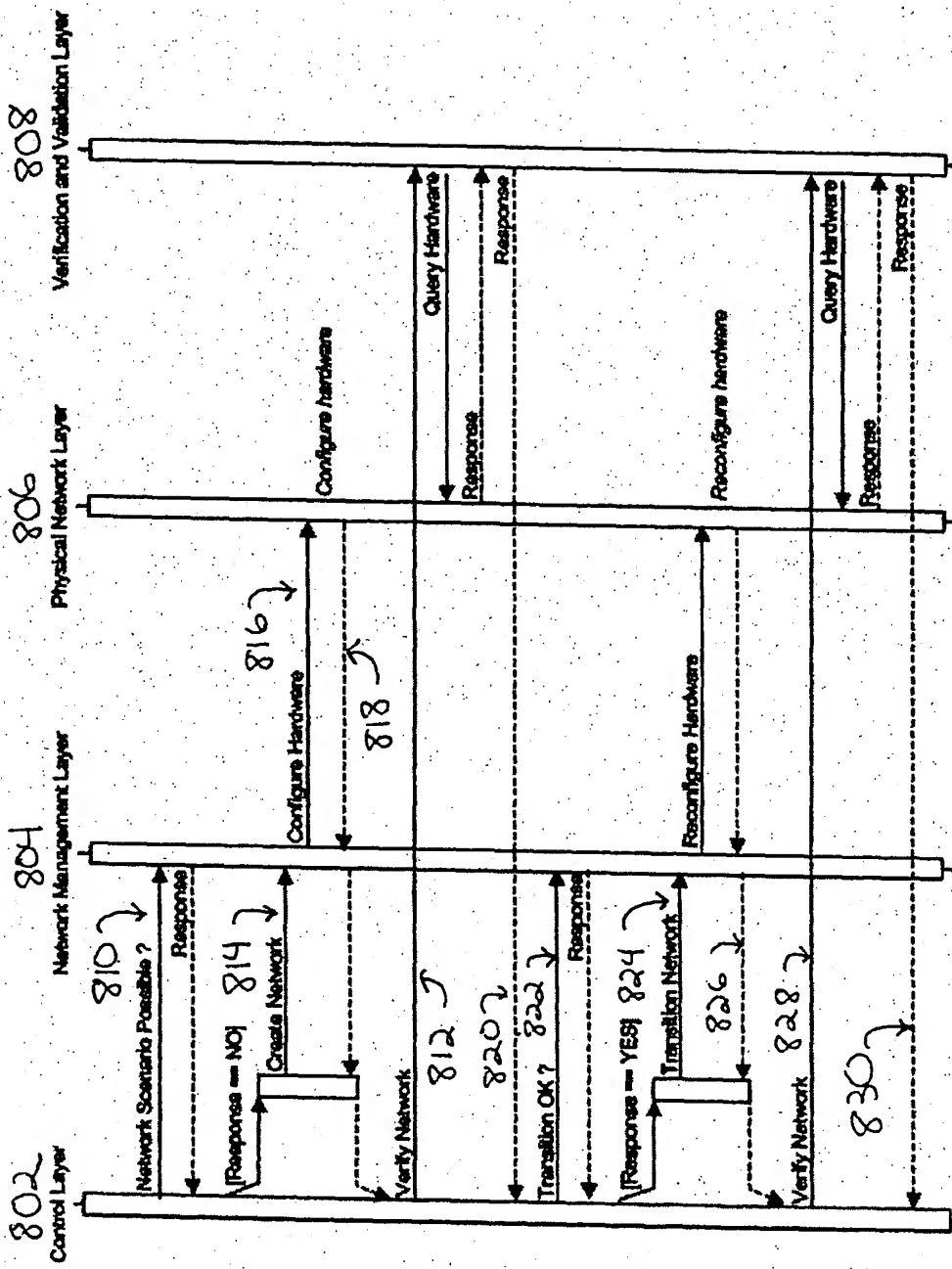


FIG. 8

800

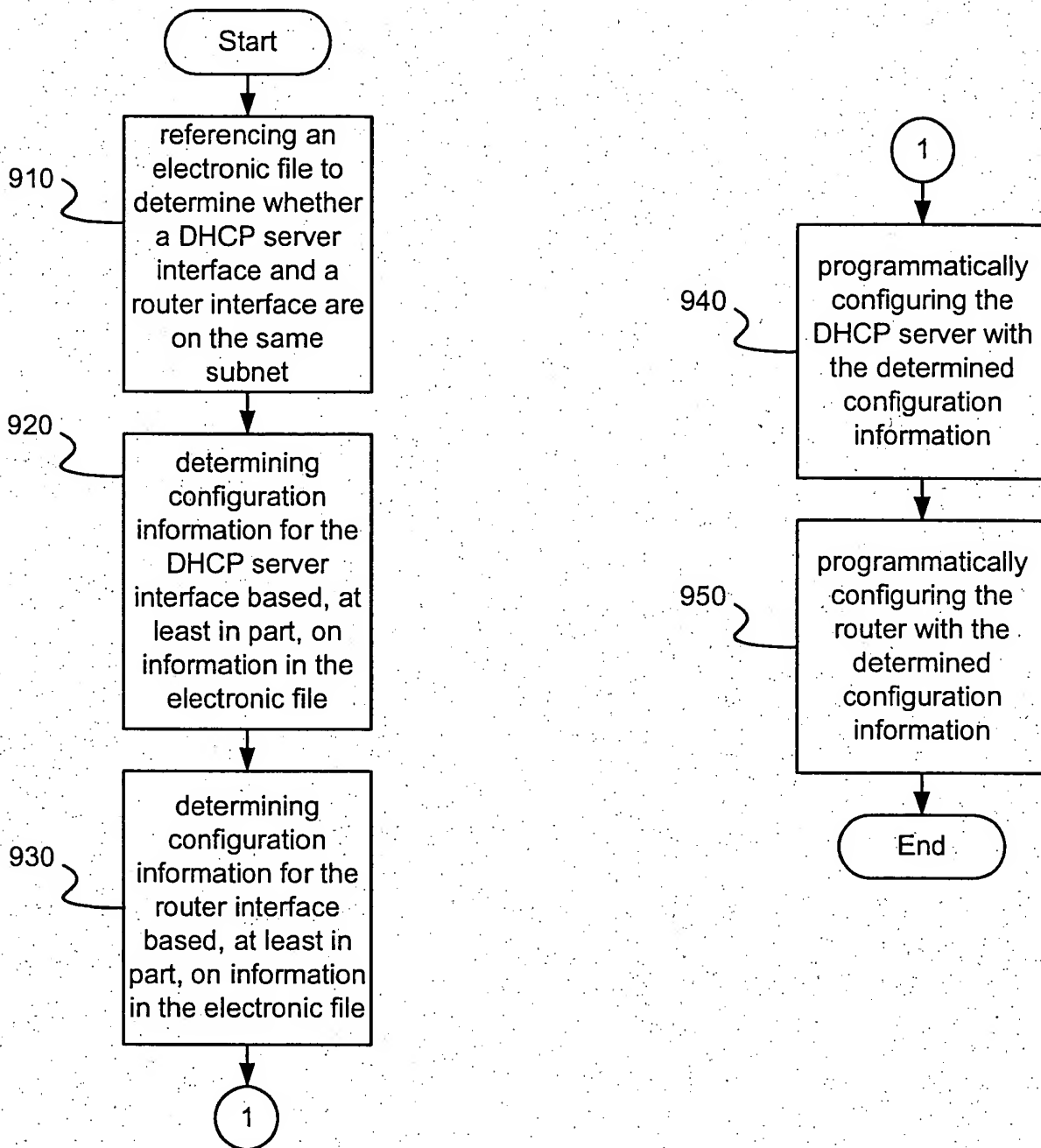


FIG. 9

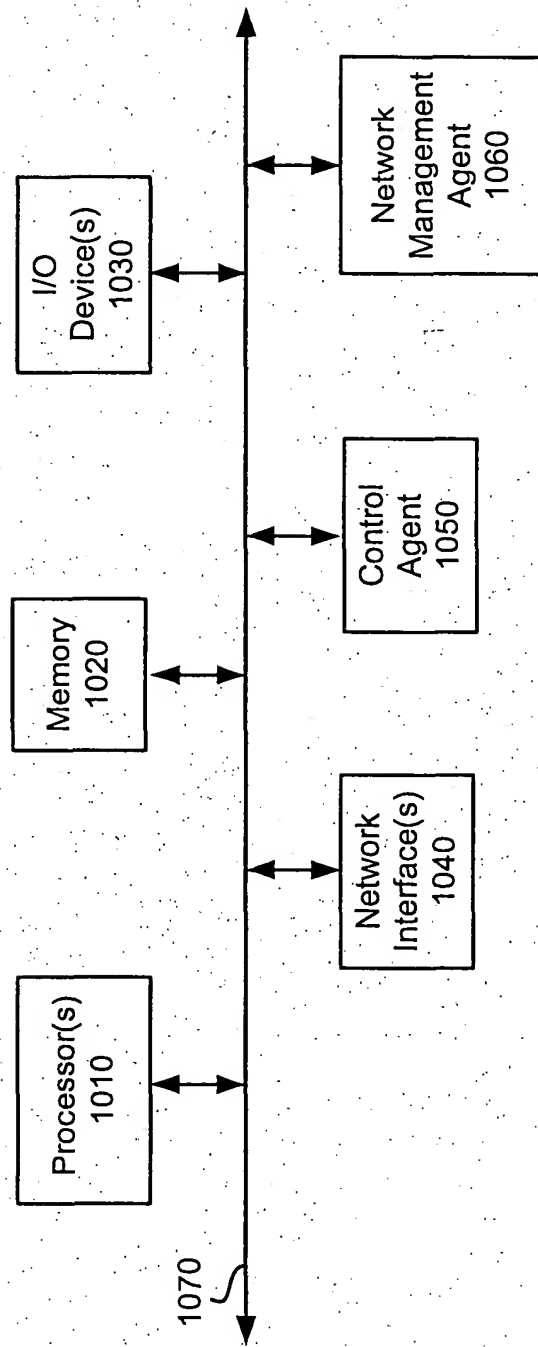


FIG. 10

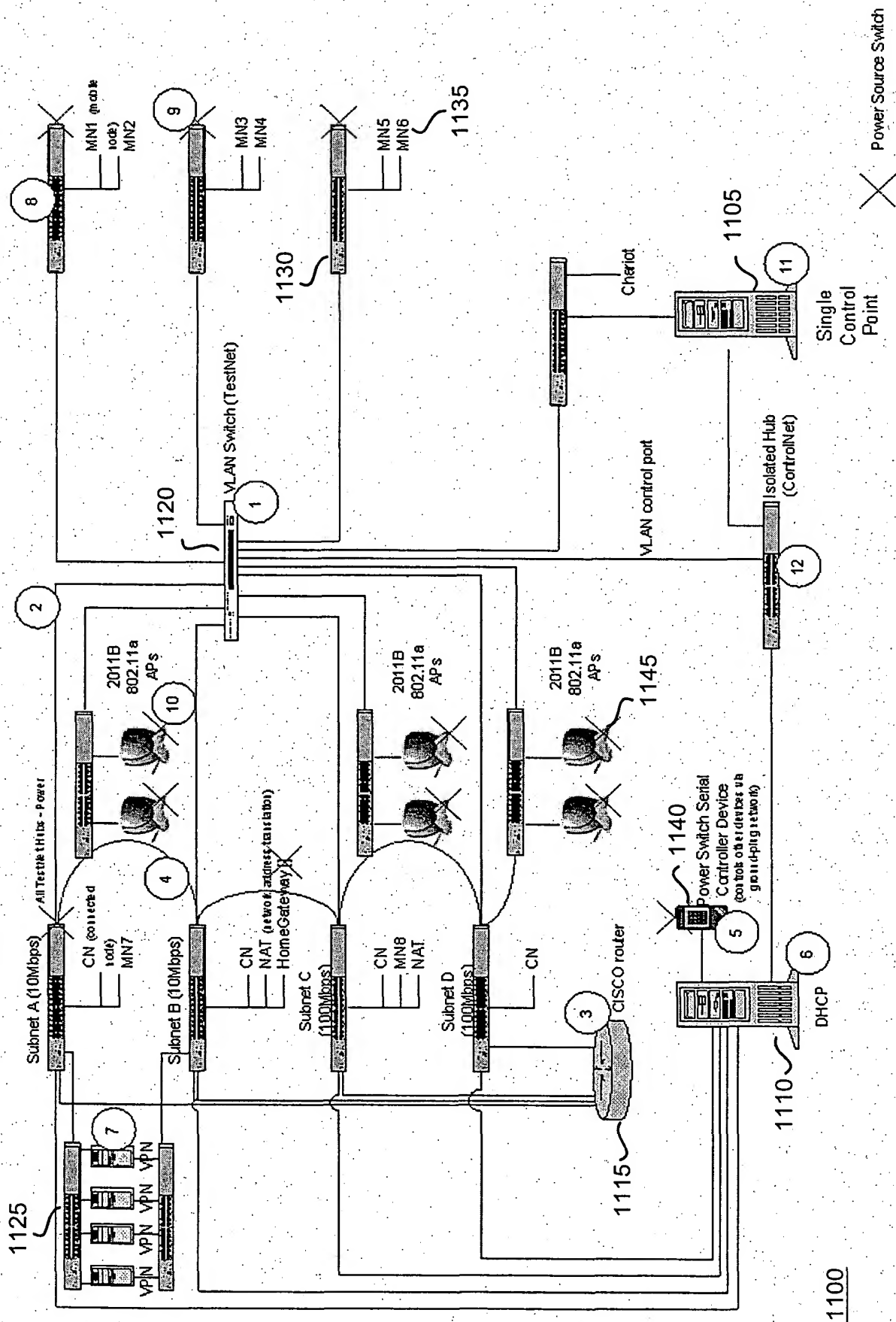


FIG. 11